

1 QUINN EMANUEL URQUHART &
SULLIVAN, LLP

2 Andrew H. Schapiro (*pro hac vice*).
andrewschapiro@quinnemanuel.com

3 191 N. Wacker Drive, Suite 2700
Chicago, IL 60606

4 Telephone: (312) 705-7400

Facsimile: (312) 705-7401

5 Stephen A. Broome (CA Bar No. 314605)

6 sb@quinnemanuel.com

Viola Trebicka (CA Bar No. 269526)

7 violatrebicka@quinnemanuel.com

8 865 S. Figueroa Street, 10th Floor

Los Angeles, CA 90017

Telephone: (213) 443-3000

9 Facsimile: (213) 443-3100

10 Diane M. Doolittle (CA Bar No. 142046).

11 dianedoolittle@quinnemanuel.com

555 Twin Dolphin Drive, 5th Floor

Redwood Shores, CA 94065

12 Telephone: (650) 801-5000

Facsimile: (650) 801-5100

13 *Attorneys for Defendant; additional counsel*
14 *listed in signature blocks below*

BOIES SCHILLER FLEXNER LLP

Mark C. Mao (CA Bar No. 236165)

mmao@bsflp.com

44 Montgomery Street, 41st Floor

San Francisco, CA 94104

Telephone: (415) 293 6858

Facsimile: (415) 999 9695

SUSMAN GODFREY L.L.P.

William Christopher Carmody (*pro hac vice*)

bcarmody@susmangodfrey.com

Shawn J. Rabin (*pro hac vice*)

srabin@susmangodfrey.com

1301 Avenue of the Americas, 32nd Floor

New York, NY 10019

Telephone: (212) 336-8330

MORGAN & MORGAN

John A. Yanchunis (*pro hac vice*)

jyanchunis@forthepeople.com

Ryan J. McGee (*pro hac vice*)

rmcgee@forthepeople.com

201 N. Franklin Street, 7th Floor

Tampa, FL 33602

Telephone: (813) 223-5505

Attorneys for Plaintiffs; additional counsel
listed in signature blocks below

18 UNITED STATES DISTRICT COURT
19 NORTHERN DISTRICT OF CALIFORNIA
20 SAN JOSE DIVISION

21 CHASOM BROWN, MARIA NGUYEN,
22 WILLIAM BYATT, JEREMY DAVIS, and
CHRISTOPHER CASTILLO, individually
and on behalf of all other similarly situated,

23 Plaintiffs,

24 v.

25 GOOGLE LLC,

26 Defendant.

Case No. 5:20-cv-03664-LHK-SVK

~~PLAINTIFFS' PROPOSED~~ FIRST
MODIFIED STIPULATED ORDER RE:
DISCOVERY OF ELECTRONICALLY
STORED INFORMATION FOR
STANDARD LITIGATION

AS MODIFIED BY THE COURT

1 **1. PURPOSE**

2 This Order will govern discovery of electronically stored information ("ESI") in this case as
3 a supplement to the Federal Rules of Civil Procedure, this Court's Guidelines for the Discovery of
4 Electronically Stored Information, and any other applicable orders and rules.

5 **2. COOPERATION**

6 The parties are aware of the importance the Court places on cooperation and commit to
7 cooperate in good faith throughout the matter consistent with this Court's Guidelines for the
8 Discovery of ESL

9 **3. LIAISON**

10 a) The parties have identified liaisons to each other who are and will be knowledgeable
11 about and responsible for discussing their respective ESL Each e-discovery liaison will be, or have
12 access to those who are, knowledgeable about the technical aspects of e-discovery, including the
13 location, nature, accessibility, format, collection, search methodologies, and production of ESI in
14 this matter. The parties will rely on the liaisons, as needed, to confer about ESI and to help resolve
15 disputes without court intervention.

16 b) Google appoints Viola Trebicka, Jonathan Tse, and Josef Ansorge as its e-discovery
17 liaison.

18 c) Plaintiffs appoints Beko Richardson, Jean Martin, and Amy Gregory as its e-
19 discovery liaisons.

20 **4. PRESERVATION**

21 The parties have discussed their preservation obligations and needs and agree that
22 preservation of potentially relevant ESI will be reasonable and proportionate. To reduce the costs
23 and burdens of preservation and to ensure proper ESI is preserved, ~~the parties agree that:-~~

24 a) ~~Only ESI created or received after June 1, 2008 will be preserved with the following~~
25 ~~exceptions. First, pursuant to Paragraph 4(b) below, the parties will discuss in good faith whether~~
26 ~~the preservation date may be modified for persons who are not agreed custodians once they complete~~
27 ~~their meet and confer process. Second, Google shall preserve the following categories of documents~~
28 ~~(without prejudice to its right to dispute that production of such documents is proper);~~

1. any document productions that Google made in prior litigation related to SearchAds, user profile data, or targeted service of advertisements across any Google products, as well as deposition transcripts, expert reports, and/or trial exhibits from any such cases. These cases include but are not necessarily limited to *I/P Engine, Inc. v. AOL, Inc.*, No. 11-cv-512 (E.D. Va.); *Function Media, LLC v. Google, Inc.*, No. 07-cv-00279 (E.D. Tex.); *British Telecomm's PLC v. Google, Inc.*, 11-cv-01249-UNA (D. Del.); *Xerox Corp. v. Google, Inc.*, 10-cv-00136 (D. Del.); *Microsoft Corp., et al. v. GeoTag Inc.*, 11-cv-00175 (D. Del.); *Bid for Position LLC v. Google, Inc.*, 07-CV-582 (E.D. Va.); *Woods v. Google Inc.*, No. 11-cv-1263-JF (N.D. Cal.); *Goddard v. Google Inc.*, No. 08-2738-JF (N.D. Cal.); *Rockstar Consortium USLP v. Google*, No. 13-cv-893 (E.D. Tex.); and

2. documents related to Google's acquisition of DoubleClick, including any documents concerning Google's valuation or analysis of the potential or actual DoubleClick acquisition.

the Court orders as follows:

a) For designated custodians or descriptions of custodians pursuant to Paragraph 4(b), ESI created or received after June 1, 2008 will be preserved. All ESI created or received after June 1, 2014 will be preserved, and the parties will meet and confer in good faith as to further limitations as provided in Paragraph 4(b). In delineating the scope of preservation herein, the Court does not address the relevance or proportionality or otherwise assess any pending or future request for production.

b) On or before November 30, 2020, the parties will meet and confer regarding: the types of ESI they believe should be preserved, document retention policies during the relevant time period, sources of custodial and noncustodial data, and the custodians, or general job titles or descriptions of custodians, for whom they believe ESI should be preserved (e.g., "Information Security Officer," "Information Security Analyst," "Data Security Analyst," "Software Engineer," "Project Manager," "Program Manager," "Data Insights Analyst," "Data Specialist," and "Marketing Manager"), and a description of Named Plaintiffs' devices that each has used to access

20 the Internet over the relevant time period to be agreed-upon by the parties or ordered by the Court.
21 The parties shall meet and confer in order to add or remove custodians and non-custodial data
22 sources as reasonably necessary.

23 c) The following data sources are not reasonably accessible because of undue burden
24 or cost pursuant to Fed. R. Civ. P. 26(b)(2)(B) and ESI from these sources will be preserved pursuant
25 to normal business retention, but not searched, reviewed, or produced:

- 26 1. backup systems and/or tapes used for disaster recovery;
27 2. systems, server and network logs; and
28 3. systems no longer in use that cannot be accessed.

d) Among the sources of data the parties agree are not reasonably accessible, the parties agree not to preserve, search, or collect the following:

1. Automatically saved versions of documents and emails, excluding drafts of emails that were not sent;
2. deleted, slack, fragmented, or other data accessible only by forensics;
3. random access memory (RAM), temporary files, or other ephemeral data that are difficult to preserve without disabling the operating system;
4. temporary internet files, history, and cache; and
5. data in metadata fields that are frequently updated automatically, such as last opened dates.

e) In addition to the above, the parties will continue to meet and confer to identify data sources that:

- 1) are not reasonably accessible because of undue burden or cost pursuant to Fed. R. Civ. P. 26(b)(2)(B) where ESI from these sources will be preserved but not searched, reviewed, or produced; and
- 2) could contain relevant information but under the proportionality factors set forth in Rule 26(b)(1) should not be preserved.

5. **SEARCH**

a) The parties agree that in responding to an initial Fed. R. Civ. P. 34 request, or earlier if appropriate, they will meet and confer about methods to search ESI in order to identify ESI that is subject to production in discovery and filter out ESI that is not subject to discovery.

b) The parties recognize that a variety of search tools and methodologies, including but not limited to technology assisted review ("TAR") tools, exist and should be considered and discussed by the parties.

c) Each party will use its best efforts to filter out common system files and application executable files by using a commercially reasonable hash identification process. Hash values that may be filtered out during this process are located in the National Software Reference Library

1 (" NSRL") NIST hash set list. Additional culling of file types based on file header information
 2 may include: Application Package File, Batch Files, Binary Disc Image, C++ File Formats,
 3 Configuration File, Compiled Dynamic Link Library, Event Log Files, Compiled Executable
 4 Files, Hypertext Cascading Stylesheet, Macintosh Resource Fork Files, Package Manager Files,
 5 Program Installers, Python Script Files, Shell Script Files, System or Temporary Files, Thumbnail
 6 Cache Files, Troff Files, TrueType Font Files, Windows Cabinet File, Windows Command Files,
 7 Windows File Shortcut, Windows Help Files, Windows Metafiles and Enhanced Metafiles,
 8 Windows Spool Files, Windows System File as well as backup files containing only the file types
 9 above specified.

10
 11 d) The parties agree that they will discuss and strive to agree upon appropriate data
 12 sources and custodians each party believes will possess responsive information, and propose search
 13 terms (if appropriate). In the event that the producing party proposes to use search terms, it will
 14 identify the terms to be utilized; those terms will be subject to negotiation.

15 e) The parties recognize that access to Social Media ESI may be limited by the
 16 provider of Social Media platforms , and that such access can change rapidly with no notice to
 17 parties. Accordingly, the parties shall meet and confer as to the collection and formats of
 18 production of responsive Social Media ESI, if any.

19 f) A party shall make reasonable efforts to produce only a single copy of a responsive
 20 document, and a party may de-duplicate responsive ESI across Custodians through MD5 hash or
 21 SourceHash. However, if a document is de-duplicated, (1) all family relationships must be
 22 maintained , (2) families shall be deduplicated only against families, (3) standalone documents shall
 23 not be deduplicated against documents in families, and (4) the producing party must identify each
 24 custodian or source where the document was located , as well as the "All Custodians" field of the
 25 produced document. Emails in an email thread that are collected and de-duped shall be produced
 26 individually as separate documents. The parties agree that email threading may be employed for
 27
 28

1 production of email threads with redactions. The parties retain the right to request production of
2 earlier-in-thread versions of any last-in-thread , redacted documents that are produced.

3 g) If applicable, no provision of this Order affects the inspection or production of source
4 code, or any other responsive material which is part of or supports a public-facing web site, which
5 will be collected and made available consistent with the Protective Order governing this case.

6 **6. PRODUCTION FORMATS**

7 The parties agree to produce documents in the formats described in Appendix 1 to this Order
8 If particular documents warrant a different format, the parties will cooperate to arrange for the
9 mutually acceptable production of such documents. The parties agree not to degrade the
10 searchability of documents as part of the document production process.

11 **7. PHASING**

12 When a party propounds discovery requests pursuant to Fed. R. Civ. P. 34, the parties agree
13 to meet and confer regarding the phasing of production of ESI, if appropriate, by prioritizing selected
14 sources and/or custodians.

15 Phasing of production of ESI shall not be used to delay or frustrate discovery in this case. If
16 phasing of production is likely to cause a delay or frustration of discovery the parties shall confer in
17 good faith to modify phasing to expedite discovery.

18 **8. DOCUMENTS PROTECTED FROM DISCOVERY**

19 a) Pursuant to Fed. R. Evid. 502(d), the production of a privileged or work-product-
20 protected document, whether inadvertent or otherwise, is not a waiver of privilege or protection
21 from discovery in this case or in any other federal or state proceeding. Disclosures among
22 defendants' attorneys of work product or other communications relating to issues of common
23 interest shall not affect or be deemed a waiver of any applicable privilege or protection from
24 disclosure. For example, the mere production of privileged or work-product-protected documents
25 in this case as part of a mass production is not itself a waiver in this case or in any other federal or
26 state proceeding. A producing party may assert privilege or protection over produced documents at
27 any time by notifying the receiving party in writing of the assertion of privilege or protection.

28 Information that contains privileged matter or attorney work product shall be returned or destroyed

1 immediately if such information appears on its face to have been inadvertently produced or if
2 requested.

3 b) Communications involving outside counsel that post-date the filing of the complaint
4 need not be placed on a privilege log. Communications may be identified on a privilege log by
5 category, rather than individually, if appropriate.

6 c) Activities undertaken in compliance with the duty to preserve information are
7 protected from discovery under Fed. R. Civ. P. 26(b)(3)(A) and (B).

8 d) Nothing in this Agreement shall be interpreted to require disclosure of irrelevant
9 information or relevant information protected by the attorney-client privilege, work-product
10 doctrine, or any other applicable privilege or immunity. Redactions based on relevance are
11 disallowed as matter of course, but the parties may nonetheless identify documents that they believe
12 should be redacted before productions, triggering an expedited duty to meet and confer. If no
13 agreement can be reached, the party seeking the redaction may seek a protective order in the ordinary
14 course. The parties do not waive any objections to the production, discoverability, admissibility, or
15 confidentiality of documents and ESL

16 **9. REMAINING DISPUTES AND MODIFICATION**

17 The parties acknowledge that there may be certain disputes concerning additional ESI-
18 related issues that the parties were unable to completely resolve prior to preparing this Stipulated
19 Order. Nothing in this Stipulated Order shall prohibit either party from presenting such disputes to
20 the Court for resolution and neither party will argue that such dispute has already been resolved by
21 virtue of the fact that it was omitted from this Stipulated Order.

22 This Stipulated Order may be modified by a Stipulated Order of the parties or by the Court
23 for good cause shown. Any such modified Stipulated Order will be titled sequentially as follows,
24 "First Modified Stipulated Order re: Discovery of Electronically Stored Information for Standard
25 Litigation," and each modified Stipulated Order will supersede the previous Stipulated Order.

10. **MISCELLANEOUS PROVISIONS**

a) Any practice or procedure set forth herein may be varied by agreement of the Parties, and first will be confirmed in writing, where such variance is deemed appropriate to facilitate the timely and economical exchange of electronic data or other covered discovery materials.

b) Should any Party subsequently determine in good faith that it cannot proceed as required by this order or that the order requires modification, the Parties will meet and confer to resolve any dispute before seeking Court intervention.

IT IS SO STIPULATED, THROUGH COUNSEL OF RECORD.

DATED: November 20, 2020

QUINN EMANUEL URQUHART &
SULLIVAN, LLP

By

~~Andrew H. Schapiro (admitted *pro hac vice*)~~

andrewschapiro@quinnemanuel.com

191 N. Wacker Drive, Suite 2700

Chicago, IL 60606

Tel: (312) 705-7400

Fax: (312) 705-7401

Stephen A. Broome (CA Bar No. 314605)

sb@quinnemanuel.com

Viola Trebicka (CA Bar No. 269526)

violatrebicka@quinnemanuel.com

865 S. Figueroa Street, 10th Floor

Los Angeles, CA 90017

Tel: (213) 443-3000

Fax: (213) 443-3100

Josef Ansorge (admitted *pro hac vice*)

josef_ansorge@quinnemanuel.com

1300 I Street NW, Suite 900

Washington D.C., 20005

Tel: (202) 538-8000

Fax: (202) 538-8100

Jonathan Tse (CA Bar No. 305468)

jo_nathantse@quinnemanuel.com

50 California Street, 22nd Floor

San Francisco, CA 94111

Tel: (415) 875-6600

Fax: (415) 875-6700

Thao Thai (CA Bar No. 324672)
thaothai@quinnemanuel.com
555 Twin Dolphin Drive, 5th Floor
Redwood Shores, CA 94065
Tel: (650) 801-5000
Fax: (650) 801-5100

Attorneys for Defendant
Google LLC

1 DATED: November 20, 2020

BOIES SCHILLER FLEXNER LLP

2
3 By /s/ Amanda K. Bonn

Amanda K. Bonn

4
5 Mark C. Mao (CA Bar No. 236165)

mmao@bsflp.com

6 Sean Phillips Rodriguez (CA Bar No. 262437)

srodriguez@bsflp.com

7 Beko Reblitz-Richardson (CA Bar No. 238027)

brichardson@bsflp.com

8 Alexander Justin Konik (CA Bar No. 299291)

akonik@bsflp.com

9 44 Montgomery Street, 41st Floor

10 San Francisco, CA 94104

Telephone: (415) 293 6858

11 Facsimile (415) 999 9695

12 James W. Lee (*pro hac vice*)

jlee@bsflp.com

13 Rossana Baeza (*pro hac vice*)

rbaeza@bsflp.com

14 100 SE 2nd Street, Suite 2800

Miami, FL 33130

15 Telephone: (305) 539-8400

Facsimile: (305) 539-1304

16 William Christopher Carmody (*pro hac vice*)

bcarmody@susmangodfrey.com

17 Shawn J. Rabin (*pro hac vice*)

srabin@susmangodfrey.com

18 Steven Shepard (*pro hac vice*)

sshepard@susmangodfrey.com

19 SUSMAN GODFREY L.L.P.

20 1301 Avenue of the Americas, 32nd Floor

21 New York, NY 10019

22 Telephone: (212) 336-8330

23 Amanda Bonn (CA Bar No. 270891)

abonn@susmangodfrey.com

24 SUSMAN GODFREY L.L.P.

25 1900 Avenue of the Stars, Suite 1400

Los Angeles, CA 90067

26 Telephone: (310) 789-3100

27 John A. Yanchunis (*pro hac vice*)

jyanchunis@forthepeople.com

28 Ryan J. McGee (*pro hac vice*)

rmcgee@forthepeople.com

MORGAN & MORGAN, P.A.
201 N Franklin Street, 7th Floor
Tampa, FL 33602
Telephone: (813) 223-5505
Facsimile: (813) 222-4736

Attorneys for Plaintiffs

~~PROPOSED~~ ORDER

Before the Court is [Plaintiffs' Proposed] First Modified Stipulated Order Re: Discovery of Electronically Stored Information For Standard Litigation ("Plaintiffs' Proposal"). Having considered the parties' letter briefs filed in support of and in opposition to Plaintiffs' Proposal, argument by counsel, and all other matters properly considered by this Court, the Court finds there is good cause to **SO-ORDER** Plaintiffs' Proposal as modified by the Court.

IT IS SO ORDERED.

DATED: November 30, 2020



Honorable Susan van Keulen
United States Magistrate Judge

APPENDIX 1 PRODUCTION FORMAT AND METADATA

1. **Production Components.** Productions shall include, single page TIFFs, Text Files, an ASCII delimited metadata file (.txt, .dat, or .csv) and an image load file that can be loaded into commercially acceptable production software (e.g., Concordance).
2. **Image Load File** shall contain the following comma-delimited fields: BEGBATES, VOLUME, IMAGE FILE PATH, DOCUMENT BREAK, FOLDER BREAK, BOX BREAK, PAGE COUNT.
3. **Metadata Fields and Metadata File.** Each of the metadata and coding fields set forth below that can be extracted shall be produced for each document. The parties are not obligated to populate manually any of the fields below if such fields cannot be extracted from a document, with the exception of the following: BEGBATES, ENDBATES, BEGATTACH, ENDATTACH, and CUSTODIAN. The metadata file shall be delimited according to the following characters:
 - Delimiter= ,**** (ASCII:020)
 - Text-Qualifier= **** (ASCII:254)
 - New Line=**** (ASCII:174)
 - Multi-value delimiter - ; (ASCII Code 059)

Field Name	Field Description
BEGBATES	Beginning Bates number as stamped on the production image
ENDBATES	Ending Bates number as stamped on the production image
BEGATTACH	First production Bates number of the first document in a family
ENDATTACH	Last production Bates number of the last document in a family
CUSTODIAN	the Individual (Custodian) from whom the document originated
SUBJECT	Subject line of email
TITLE	Title from properties of document
DATESENT	Date and time email was sent (format: MM/DD/YYYY HH:MM:SS (UTC time zone))
TO	All recipients that were included on the "To" line of the email
FROM	The name and email address of the sender of the email
CC	All recipients that were included on the "CC" line of the email

BCC	All recipients that were included on the "BCC" line of the email
OWNER	Any value populated in the Owner field of the document properties
FILENAME	Filename of an electronic document (Edoc or attachment)
DATEMOD	Date and time an electronic document was last modified or created (format: MM/DD/YYYY HH:MM:SS (UTC time zone)) (Edoc or attachment)
DATECREATED	Date and time the document was created (format: MM/DD/YYYY HH:MM:SS (UTG time zone)) (Edoc or attachment)
NATIVELINK	Native File Link (Native Files only)
TEXTLINK	Link to text files
ATTACHMENT NAME	
MD5	MD5 hash value
ALL CUSTODIANS	Includes the Individual (Custodian) from whom the documents originated and all Individual(s) whose documents de-duplicated out (De-Duped Custodian), with multiple values separated by semi-colons
PRODVAL	Production volume that the document was produced in
REDACTED	Y/N
CONFIDENTIALITY	Confidential level assigned pursuant to applicable protective order or stipulation

4. TIFFs. Documents that exist only in hard copy format shall be scanned and produced as TIFFs. Unless excepted below, documents that exist as ESI shall be converted and produced as TIFFs. Unless excepted below, single page Group IV TIFFs should be provided, at least 300 dots per inch (dpi) for all documents. Each TIFF image shall be named according to a unique corresponding Bates number associated with the document. Each image shall be branded according to the Bates number and the agreed upon confidentiality designation. Original document orientation should be maintained (i.e., portrait to portrait and landscape to landscape). TIFFs shall show all text and images that would be visible to a user of the hard copy documents. TIFFs of ESI that contain comments, suggested edits, and speaker notes (collectively, "Revisions") at the time of ESI collection will make such Revisions visible in the image.

- 1 **5. Text Files.** A single multi-page text file in UTF-8 encoding shall be provided for each
2 document, and the filename should match its respective TIFF filename. A commercially
3 acceptable technology for optical character recognition "OCR", set for its highest quality
4 setting, shall be used for all scanned, hard copy documents. When possible, the text of
5 native files should be extracted directly from the native file. Text files will not contain the
6 redacted portions of the documents and OCR text files will be substituted instead of
7 extracted text files for redacted documents except for Excel files redacted as native files.
8 All documents shall be produced with a link in the TextLink field.
- 9 **6. Image Load Files / Data Load Files.** Each TIFF in a production must be referenced in the
10 corresponding image load file. The total number of documents referenced in a
11 production's data load file should match the total number of designated document breaks
12 in the Image Load file(s) in the production. The total number of pages referenced in a
13 production's image load file should match the total number of TIFF files in the production.
14 The total number of documents in a production should match the total number of records in
15 the data load file.
- 16 **7. Bates Numbering.** All images must be assigned a unique Bates number that is sequential
17 within a given document and across the production sets.
- 18 **8. Confidentiality Designation.** Responsive documents in TIFF format will be stamped with
19 the appropriate confidentiality designations in accordance with the Protective Order in this
20 matter. Each responsive document produced in native format will have its confidentiality
21 designation identified in the filename of the native file.
- 22 **9. Redaction Of Information.** If documents are produced containing redacted information,
23 an electronic copy of the original, unredacted data shall be securely preserved in such a
24 manner so as to preserve without modification, alteration or addition the content of such
25 data including any metadata therein.
- 26 **10. Native Files.** Spreadsheets (e.g., MS Excel, Google Sheets), media (audio/video) files, and
27 delimited text files (e.g. comma-separated value (.csv) files and tab-separated value (.tsv)
28 files) shall be produced in their native format, along with a single page TIFF placeholder
29 with the Bates number, and the text " Produced in Native Format". TIFF images of the
30 native files themselves need not be produced unless the files have been redacted, in which
31 instance such files shall be produced in TIFF with OCR Text Files. If good cause exists to
32 request production of files, other than those specifically set forth above, in native format,
33 the party may request such production and provide an explanation of the need for native
34 file review, which request shall not unreasonably be denied. Any native files that are
35 produced shall be produced with a link in the NativeLink field, along with extracted text
36 and applicable metadata fields set forth in Appendix 1. A TIFF placeholder indicating that
37 the document was provided in native format should accompany the database record. If a

1 file has been redacted, TIFF images and OCR text of the redacted document will suffice in
2 lieu of a native file and extracted text.

3 11. **Color.** The parties agree to produce Documents in black and white. A party may request
4 that certain documents be re-produced in color, which the producing party will consider in
5 good faith.

6 12. **Proprietary Files.** To the extent a response to discovery requires production of ESI
7 accessible only through proprietary software, the parties should continue to preserve each
8 version of such information. The parties shall meet and confer to finalize the appropriate
9 production format.

10 13. **Production Media.** Documents shall be encrypted and produced on external hard drives,
11 readily accessible computer(s) or other electronic media ("Production Media"). Each piece
12 of Production Media shall identify a production number corresponding to the production
13 volume (e.g., "VOL001," "VOL002"), as **well** as the volume of the material in that
14 production (e.g., "-001," "-002"). Each piece of Production Media shall also identify: (1)
15 the producing party's name; (2) the production date; (3) the Bates Number range of the
16 materials contained on the Production Media; and (4) the set(s) of requests for production
17 for which the documents are being produced.

18 14. **Less Commonly Used File Types.** The Parties will meet and confer on the production
19 format of less-commonly used file types, such as CAD, GIS data, materials and prototypes
20 testing, etc.

21 15. **Emails.** Produced TIFF images of emails that are last-in-thread shall include all header
22 information that would be visible if the email was viewed in Gmail including: (1) the
23 individuals to whom the communication was directed ("To"), (2) the sender of the email
24 communication ("From"), (3) who was copied and blind copied on such email ("CC" and
25 "BCC"), (4) the subject line of the email ("RE" or "Subject"), (5) the date and time of the
26 email, and (6) the file name of any attachments. Produced TIFF images of last-in-thread
27 emails may also include earlier-in-thread emails in the same TIFF image. In that event, the
28 TIFF image will include at least the sender and the date and time of the earlier-in-thread
emails.